

CHEMICO-BIOLOGICAL REACTIONS

SUBJECT INDEX

VOLUME 84 (1992)

-
- Acrolein, DNA adducts, ^{32}P -postlabeling, nuclease P1, 21
- Albumin, quenching, fluorescence, binding, oxazolidinedione, 221
- Alkylation, DNA, guanine, melphalan, mustard, 189
- Anesthetics, diheptanoyl phosphatidylcholine, membrane perturbation, electron paramagnetic resonance, liposomes, 143
- Anserine, carnosine, cobalt, copper, ergothioneine, hydrogen peroxide, hydroxyl radicals, 2-mercaptoimidazoles, superoxide, transition metal ions, 153
- Arene oxide/oxepin, biotransformation, dichlorobenzene, covalent binding, benzoquinone, computer calculations, 259
- Assay, ebselen selenol, identification, 69
- Benzoquinone, biotransformation, dichlorobenzene, covalent binding, arene oxide/oxepin, computer calculations, 259
- Benzo[*b*]fluoranthene, non-alterant, fluorine, ^{32}P -postlabelling, polycyclic aromatic hydrocarbons, 37
- Binding, quenching, fluorescence, albumin, oxazolidinedione, 221
- Biotransformation, dichlorobenzene, covalent binding, benzoquinone, arene oxide/oxepin, computer calculations, 259
- t*-Butyl hydroperoxide, glutathione, mitochondria, oxidation, NADPH, thiols, hepatoma, 125
- Caffeic acid esters, mutagenicity, colon cancer, ornithine decarboxylase, protein tyrosine kinase, 277
- Carboxylesterases, cocaine, isomer-specific toxicity, cultured rat hepatocytes, cytotoxicity, 243
- Carnosine, anserine, cobalt, copper, ergothioneine, hydrogen peroxide, hydroxyl radicals, 2-mercaptoimidazoles, superoxide, transition metal ions, 153
- Catalytic mechanism, ebselen, ebselen selenol, ebselen diselenide, glutathione, peroxidase, 77
- Cellular distribution, zinc uptake and accumulation, metallothionein, rat hepatoma cells, MT induction, 199
- Cobalt, anserine, carnosine, copper, ergothioneine, hydrogen peroxide, hydroxyl radicals, 2-mercaptoimidazoles, superoxide, transition metal ions, 153
- Cocaine, isomer-specific toxicity, cultured rat hepatocytes, carboxylesterases, cytotoxicity, 243
- Colon cancer, caffeic acid esters, mutagenicity, ornithine decarboxylase, protein tyrosine kinase, 277
- Computer calculations, biotransformation, dichlorobenzene, covalent binding, benzoquinone, arene oxide/oxepin, 259
- Contact allergy, respiratory allergy, T lymphocytes, cytokines, immunoregulation, 1
- Copper, anserine, carnosine, cobalt, ergothioneine, hydrogen peroxide, hydroxyl radicals, 2-mercaptoimidazoles, superoxide, transition metal ions, 153
- Covalent binding, biotransformation, dichlorobenzene, benzoquinone, arene oxide/oxepin, computer calculations, 259
- Cultured rat hepatocytes, cocaine, isomer-specific toxicity, carboxylesterases, cytotoxicity, 243
- Cytokines, contact allergy, respiratory allergy, T lymphocytes, immunoregulation, 1
- Cytotoxicity, cocaine, isomer-specific toxicity, cultured rat hepatocytes, carboxylesterases, 243
- Deoxyguanosine hydroxylation, nickel, histidine, 8-hydroxy-2'-deoxyguanosine, 11
- Dichlorobenzene, biotransformation, covalent binding, benzoquinone, arene oxide/oxepin, computer calculations, 259

- 2,2'-Dichlorodiethyl sulphide, sulphur mustard, keratinocytes, DNA synthesis, in vitro, epidermal culture, 133
- Diet, DNA modifications, I-compounds, oats, lipids, ³²P-postlabeling, 229
- Diheptanoyl phosphatidylcholine, membrane perturbation, anesthetics, electron paramagnetic resonance, liposomes, 143
- Dihydrodiol dehydrogenase, polycyclic aromatic hydrocarbons, *ortho*-quinones, thioethers, glutathione, mercapturic acid, 169
- Diquat, oxidant stress, glutathione, reactive oxygen, liver injury, 55
- DNA adducts, acrolein, ³²P-postlabeling, nuclease P1, 21
- DNA modifications, I-compounds, diet, oats, lipids, ³²P-postlabeling, 229
- DNA synthesis, 2,2'-dichlorodiethyl sulphide, sulphur mustard, keratinocytes, in vitro, epidermal culture, 133
- DNA, alkylation, guanine, melphalan, mustard, 189
- Ebselen diselenide, ebselen, ebselen selenol, glutathione, peroxidase, catalytic mechanism, 77
- Ebselen selenol, ebselen, ebselen diselenide, glutathione, peroxidase, catalytic mechanism, 77
- Ebselen selenol, identification, assay, 69
- Ebselen, ebselen selenol, ebselen diselenide, glutathione, peroxidase, catalytic mechanism, 77
- Electron paramagnetic resonance, diheptanoyl phosphatidylcholine, membrane perturbation, anesthetics, liposomes, 143
- Epidermal culture, 2,2'-dichlorodiethyl sulphide, sulphur mustard, keratinocytes, DNA synthesis, in vitro, 133
- Ergothioneine, anserine, carnosine, cobalt, copper, hydrogen peroxide, hydroxyl radicals, 2-mercaptoimidazoles, superoxide, transition metal ions, 153
- Fluorescence, quenching, binding, albumin, oxazolidinedione, 221
- Fluorine, benzo[*j*]fluoranthene, non-alterant, ³²P-postlabelling, polycyclic aromatic hydrocarbons, 37
- Glutathione, ebselen, ebselen selenol, ebselen diselenide, peroxidase, catalytic mechanism, 77
- Glutathione, menadione, liver slices, metallothionein, 113
- Glutathione, mitochondria, *t*-butyl hydroperoxide, oxidation, NADPH, thiols, hepatoma, 125
- Glutathione, oxidant stress, diquat, reactive oxygen, liver injury, 55
- Glutathione, polycyclic aromatic hydrocarbons, *ortho*-quinones, thioethers, mercapturic acid, dihydrodiol dehydrogenase, 169
- Guanine, alkylation, DNA, melphalan, mustard, 189
- Heat shock genes, lipid peroxidation, heat shock, heat shock proteins, 97
- Heat shock proteins, lipid peroxidation, heat shock, heat shock genes, 97
- Heat shock, lipid peroxidation, heat shock proteins, heat shock genes, 97
- Hepatoma, glutathione, mitochondria, *t*-butyl hydroperoxide, oxidation, NADPH, thiols, 125
- Histidine, nickel, deoxyguanosine hydroxylation, 8-hydroxy-2'-deoxyguanosine, 11
- Hydrogen peroxide, anserine, carnosine, cobalt, copper, ergothioneine, hydroxyl radicals, 2-mercaptoimidazoles, superoxide, transition metal ions, 153
- 8-Hydroxy-2'-deoxyguanosine, nickel, histidine, deoxyguanosine hydroxylation, 11
- Hydroxyl radicals, anserine, carnosine, cobalt, copper, ergothioneine, hydrogen peroxide, 2-mercaptoimidazoles, superoxide, transition metal ions, 153
- I-compounds, DNA modifications, diet, oats, lipids, ³²P-postlabeling, 229
- Identification, ebselen selenol, assay, 69
- Immunoregulation, contact allergy, respiratory allergy, T lymphocytes, cytokines, 1
- In vitro, 2,2'-dichlorodiethyl sulphide, sulphur mustard, keratinocytes, DNA synthesis, epidermal culture, 133
- Isomer-specific toxicity, cocaine, cultured rat hepatocytes, carboxylesterases, cytotoxicity, 243
- Keratinocytes, 2,2'-dichlorodiethyl sulphide, sulphur mustard, DNA synthesis, in vitro, epidermal culture, 133
- Lipid peroxidation, heat shock, heat shock proteins, heat shock genes, 97

- Lipids, DNA modifications, I-compounds, diet, oats, ³²P-postlabeling, 229
- Liposomes, diheptanoyl phosphatidylcholine, membrane perturbation, anesthetics, electron paramagnetic resonance, 143
- Liver injury, oxidant stress, diquat, glutathione, reactive oxygen, 55
- Liver slices, menadione, metallothionein, glutathione, 113
- Melphalan, alkylation, DNA, guanine, mustard, 189
- Membrane permeability, sesquiterpenes, unsaturated dialdehydes, neuroblastoma cells, quantitative structure-activity relationships, 85
- Membrane perturbation, diheptanoyl phosphatidylcholine, anesthetics, electron paramagnetic resonance, liposomes, 143
- Menadione, liver slices, metallothionein, glutathione, 113
- 2-Mercaptoimidazoles, anserine, carnosine, cobalt, copper, ergothioneine, hydrogen peroxide, hydroxyl radicals, superoxide, transition metal ions, 153
- Mercapturic acid, polycyclic aromatic hydrocarbons, *ortho*-quinones, thioethers, glutathione, dihydrodiol dehydrogenase, 169
- Metallothionein, menadione, liver slices, glutathione, 113
- Metallothionein, zinc uptake and accumulation, rat hepatoma cells, MT induction, cellular distribution, 199
- Mitochondria, glutathione, *t*-butyl hydroperoxide, oxidation, NADPH, thiols, hepatoma, 125
- MT induction, zinc uptake and accumulation, metallothionein, rat hepatoma cells, cellular distribution, 199
- Mustard, alkylation, DNA, guanine, melphalan, 189
- Mutagenicity, caffeic acid esters, colon cancer, ornithine decarboxylase, protein tyrosine kinase, 277
- NADPH, glutathione, mitochondria, *t*-butyl hydroperoxide, oxidation, thiols, hepatoma, 125
- Neuroblastoma cells, sesquiterpenes, unsaturated dialdehydes, membrane permeability, quantitative structure-activity relationships, 85
- Nickel, histidine, deoxyguanosine hydroxylation, 8-hydroxy-2'-deoxyguanosine, 11
- Non-alterant, benzo[*j*]fluoranthene, fluorine, ³²P-postlabelling, polycyclic aromatic hydrocarbons, 37
- Nuclease P1, acrolein, DNA adducts, ³²P-postlabeling, 21
- Oats, DNA modifications, I-compounds, diet, lipids, ³²P-postlabeling, 229
- Ornithine decarboxylase, caffeic acid esters, mutagenicity, colon cancer, protein tyrosine kinase, 277
- Oxazolidinedione, quenching, fluorescence, binding, albumin, 221
- Oxidant stress, diquat, glutathione, reactive oxygen, liver injury, 55
- Oxidation, glutathione, mitochondria, *t*-butyl hydroperoxide, NADPH, thiols, hepatoma, 125
- Peroxidase, ebselen, ebselen selenol, ebselen diselenide, glutathione, catalytic mechanism, 77
- Polycyclic aromatic hydrocarbons, benzo[*j*]fluoranthene, non-alterant, fluorine, ³²P-postlabelling, 37
- Polycyclic aromatic hydrocarbons, *ortho*-quinones, thioethers, glutathione, mercapturic acid, dihydrodiol dehydrogenase, 169
- ³²P-Postlabeling, acrolein, DNA adducts, nuclease P1, 21
- ³²P-Postlabeling, DNA modifications, I-compounds, diet, oats, lipids, 229
- ³²P-Postlabelling, benzo[*j*]fluoranthene, non-alterant, fluorine, polycyclic aromatic hydrocarbons, 37
- Protein tyrosine kinase, caffeic acid esters, mutagenicity, colon cancer, ornithine decarboxylase, 277
- Quantitative structure-activity relationships, sesquiterpenes, unsaturated dialdehydes, membrane permeability, neuroblastoma cells, 85
- Quenching, fluorescence, binding, albumin, oxazolidinedione, 221
- ortho*-Quinones, polycyclic aromatic hydrocarbons, thioethers, glutathione, mercapturic acid, dihydrodiol dehydrogenase, 169
- Rat hepatoma cells, zinc uptake and accumulation, metallothionein, MT induction, cellular distribution, 199
- Reactive oxygen, oxidant stress, diquat, glutathione, liver injury, 55

Respiratory allergy, contact allergy, T lymphocytes, cytokines, immunoregulation, 1

Sesquiterpenes, unsaturated dialdehydes, membrane permeability, neuroblastoma cells, quantitative structure-activity relationships, 85

Sulphur mustard, 2,2'-dichlorodiethyl sulphide, keratinocytes, DNA synthesis, in vitro, epidermal culture, 133

Superoxide, anserine, carnosine, cobalt, copper, ergothioneine, hydrogen peroxide, hydroxyl radicals, 2-mercaptoimidazoles, transition metal ions, 153

T lymphocytes, contact allergy, respiratory allergy, cytokines, immunoregulation, 1

Thioethers, polycyclic aromatic hydrocarbons, *ortho*-quinones, glutathione, mercapturic acid, dihydrodiol dehydrogenase, 169

Thiols, glutathione, mitochondria, *t*-butyl hydroperoxide, oxidation, NADPH, hepatoma, 125

Transition metal ions, anserine, carnosine, cobalt, copper, ergothioneine, hydrogen peroxide, hydroxyl radicals, 2-mercaptoimidazoles, superoxide, 153

Unsaturated dialdehydes, sesquiterpenes, membrane permeability, neuroblastoma cells, quantitative structure-activity relationships, 85

Zinc uptake and accumulation, metallothionein, rat hepatoma cells, MT induction, cellular distribution, 199

CHEMICO-BIOLOGICAL INTERACTIONS

AUTHOR INDEX

VOLUME 84 (1992)

Ahokas, J.	69	LaVoie, E.J.	37
Amin, S.	277	Lawley, P.D.	189
		Lee, L.	21
Basketter, D.A.	1	Li, D.	229
Benzick, A.E.	55		
Bernstein, I.A.	133	Maccubbin, A.E.	21
Boelsterli, U.A.	243	Marshall, M.V.	37
Brodie, A.E.	125	Melchert, R.B.	243
		Morgenstern, R.	77
Cajone, F.	97	Morgenstern, R.	69
Cayre, I.	221	Murty, V.S.	169
Chan, H.M.	113		
Chen, S.	229	North, S.L.	11
Cherian, M.G.	113		
Coleman, J.W.	1	Ondrias, K.	143
Cotgreave, I.A.	69	Osborne, M.R.	189
Cotgreave, I.A.	77		
Crescente, M.	97	Penning, T.M.	169
Dearman, R.J.	1	Randerath, E.	229
den Besten, C.	259	Randerath, K.	229
Desai, D.	277	Rao, C.V.	277
		Reddy, B.S.	277
Ellenbroek, M.	259	Reed, D.J.	125
Engman, L.	69	Rietjens, I.M.C.M.	259
Engman, L.	77		
		Stasko, A.	143
Forsby, A.	85	Steinebach, O.M.	199
		Sterner, O.	85
Ghodrati, F.	37	Struck, R.F.	21
González-Jiménez, J.	221		
Göldlin, C.	243	Tabarrok, R.	113
Gurtoo, H.L.	21	Tamura, Y.	113
Hartman, P.E.	153	van Bladeren, P.J.	259
Hartman, Z.	153	van der Ree, M.A.E.	259
He, Z.-M.	37	Vaughan, F.L.	133
Hernandez, L.	11		
		Walum, E.	85
Jacquotte, H.	221	Welder, A.A.	243
Jaeschke, H.	55	Weyand, E.H.	37
		Wolterbeek, H.Th.	199
Kasprzak, K.S.	11	Wu, Y.	37
Kaul, B.	277		
Kimber, I.	1	Zaman-Saroya, S.	133
		Zweifel, U.	243

